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PATENT ABSTRACTS OF JAPAN

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(71)Applicant : CANON INC

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13.03.1996 (72)Inventor: INOUE SHUNSUKE

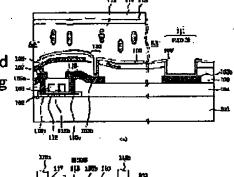
OKITA AKIRA

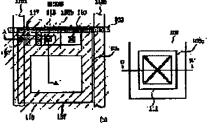
(54) LIQUID CRYSTAL DISPLAY DEVICE AND ITS PRODUCTION

(57)Abstract:

PROBLEM TO BE SOLVED: To make it possible to increase a contrast, to decrease the variations of many pixels and to reduce a manufacturing cost by forming the same electrode layer as the pixel electrodes of an image display section on the bonding pads of peripheral circuits as well.

SOLUTION: The pixel electrodes 109 are disposed not only in the pixel parts but on the bonding pads 105 as well and are electrically connected via openings 111 on the pads. ITO films are most frequently used as the pixel electrodes 109. Al-Si





films are adequate, for example, for the drain electrodes 105b of TFTs and the bonding pads 105c. The improvement of the ohmic property with the ITO films is executed by depositing films of, for example, titanium nitride, titanium, etc., on the Al–Si surfaces. Hydrogenation is executable after all of the stages to induce the damage of dry etching, etc., are ended in this stage and, therefore, the recovery and removal of the damage are embodied with good reproducibility. Since through-holes and the openings 111 of the pads are executable by the same stage, the production stages are simplified.

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(71) 出版人 600061007

キヤノン株文会社 東京憲大国医下丸子3丁目90番2号

(70) 克明者 井上 敬権 東京都太田医下丸子名丁目30番2号中ヤノ **ン株式会社内**

(72)発明省 仲田 夢

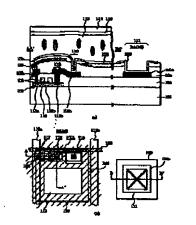
卓京都大田医下丸学 8 丁目30番 2 号キヤノ /株式会社内

70代理人 方路士 九島 傷一

(64) 「発酵の名称」 振馬表示器型およびその設置が注

(57) (3579)

(課題) 選品表示装置のスイッチング案子の特性を向 上し、さらにも55コストを小さくする。 【解決手段】 スイッチングホティッちを設けた面像を 示部と、新記画像表示部に後号を成力する周辺開発 1 1 1とを備えた一方の帯板101と、前記一方の姿板10 1に対応し途明発施113を備えた他方の経施114 と、前紀一方の姿態101と前記他方の等級114で挟 持した状态とを有する液晶表示器素の影響方法におい て、特定董母表示事の基本を施109と第一の電話を1 O.9 を、 単記第四回第111のボンディンクバッド10 3日にな形成する.



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